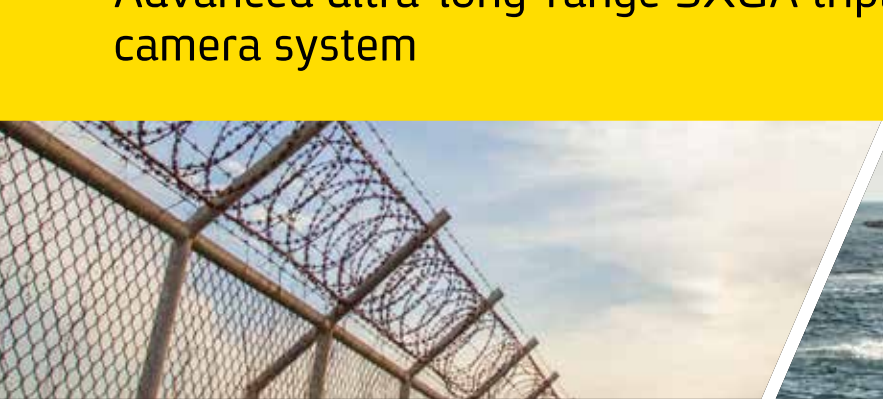
ACCURACII LR

Advanced ultra-long-range SXGA triple sensor camera system



Unleash the power of the Accuracii LR, an advanced long-range thermal, SWIR (optional) and VIS triple sensor camera, meticulously crafted for Homeland Security applications.

Experience unmatched ultra-long-range detection and assessment capabilities with its cutting-edge SXGA 10µm cooled thermal and SWIR cameras.

Versatility at its finest, the Accuracii LR offering a range of configurations and features, with both analog and IP options to suit your specific needs. Enjoy unparalleled image stabilization, enabling crystal-clear visuals even in challenging conditions.

Seamless Integration (ONVIF Profile S Compliant) further enhances the Accuracii LR's appeal, making it effortlessly compatible with your existing VMS and security systems.

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Main Features

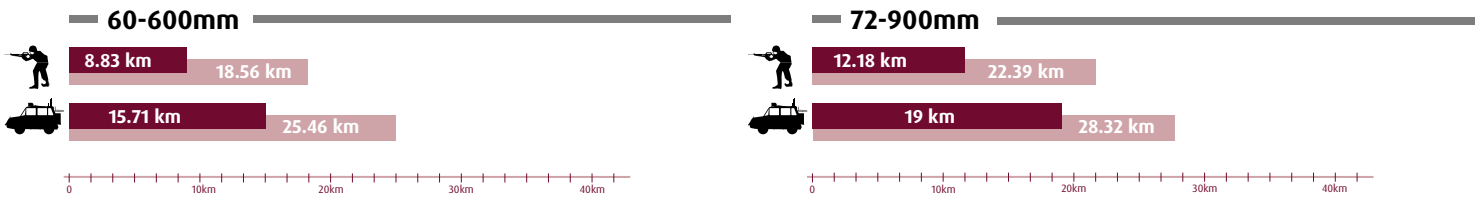
- **Ultra-Long-Range Vision:** Equipped with a cooled thermal core, the Accuracii LR provides unmatched long-range detection, ensuring top-tier security
- **Effortless Integration:** Seamlessly integrate the Accuracii LR into your existing setup, thanks to its user-friendly design and compatibility
- **Precision Zoom Capability:** Analyze critical areas with ease using the continuous zoom function
- **Complete Customizability:** Tailor the Accuracii LR to your unique needs, optimizing its performance for your specific security challenges
- **ONVIF Profile S Compliant:** Trust in industry standards for interoperability, providing a reliable and compliant security solution

Technical Data

Spectral band	3.6-4.15µm	
Detector type	XBn	
Pixel size	10µ	
Resolution	1280 x 1024 (SXGA)	
NETD	<30° mK	
Frame rate	25 / 30 Hz	
Focal length	Sii LR 600mm	Sii LR 900mm
F #	4	4
Narrow FOV	1.2°	0.81° x 0.65°
Wide FOV	11.4°	9.3°
Optical zoom	x10	x12.5
Digital zoom	x16	
Lens type	Motorized, Continuous zoom	
Focus modes	Manual, On Demand, Auto focus	

Visible camera	Imager type	1/3" CMOS
	Resolution	1920 x 1080 FHD
	Focal length	16.7-2000mm
	HFOV	17.3-0.15°
	F#	3.5-32
	Frame rate	25 / 30 Hz
	S/N Ratio	50 dB
	Video output	Ethernet, SDI
	Focus modes	Manual, On Demand, Auto focus
	Optical zoom	x120
	Digital zoom	x16
SWIR Imager (optional)	High performance SWIR zoom lens and sensor	
GPS (optional)	Dual-band and multi-constellation GNSS module	
DMC (optional)	9-axis absolute real-time orientation sensor: Magnetometer, accelerometer and gyroscope	
LRF (optional)	Nominal wavelength	1535nm ± 10nm
	Eye Safety per IEC 60825-1	Class 1
	Maximum Range Capability	30,000m
	Accuracy typical	±5 meters (1σ)
	Multiple Target Detection	3 targets
Pan-Tilt Positioner	Pan Range	360° continuous
	Pan Speed	0.005-120°/sec
	Tilt Range	±90°
	Tilt Speed	0.005-100°/sec
	Stabilization	±300µrad
Output interface	Power, Ethernet	
Communication interfaces	TCP/IP, Ethernet	
Video encoding	H.264	
Communication protocols	ONVIF profile S	
Dimensions	Depends on system configuration	
Weight	Depends on system configuration	
Operating temperature	-32°C to + 55°C	
Storage temperature	-40°C to + 70°C	
Environment IP rating	IP67	

Range Performance



(*) Ranges were calculated according to TRM4 simulations and according to Nyquist, with a 50% probability of success. Ideal atmospheric and scene conditions assumed.

Human (1.8m X 0.6m) Vehicle (2.3m X 2.3m) Recognition in km (6 pixels) Detection in km (2 pixels)

Elbit Systems Ltd.
Advanced Technology Center, P.O.B 539, Haifa 3100401, Israel
E-mail: istar@elbitsystems.com www.elbitsystems.com

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